

# Comparisons of Job Characteristics

**Focus Occupation: Anesthesiologists (29-1061)**

**Associated Occupation: Registered Nurses (29-1111)**

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 74

**Focus Occupation: Anesthesiologists (29-1061)**

**Associated Occupation: Registered Nurses (29-1111)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Psychology	6.4	19.5	13.8	<< Extensive education and/or training may be required
Customer and Personal Service	11.3	18.5	15.0	<< Extensive education and/or training may be required
Medicine and Dentistry	3.7	17.8	25.0	>> Current knowledge level is likely more than sufficient
Therapy and Counseling	3.8	16.2	7.2	<< Extensive education and/or training may be required
Education and Training	9.2	14.7	9.5	<< Extensive education and/or training may be required
Biology	3.7	13.3	20.4	>> Current knowledge level is likely more than sufficient
Sociology and Anthropology	4.1	12.1	4.9	<< Extensive education and/or training may be required
Chemistry	4.8	9.8	13.1	>> Current knowledge level is likely more than sufficient
Philosophy and Theology	3.2	9.2	3.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 89

**Focus Occupation: Anesthesiologists (29-1061)**

**Associated Occupation: Registered Nurses (29-1111)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Social Perceptiveness	9.1	14.9	12.5	< A higher skill level may be required

Monitoring	9.9	13.6	14.8	0	Current skill level may be sufficient
Service Orientation	7.9	12.7	11.8	0	Current skill level may be sufficient
Judgment and Decision Making	9.4	12.5	14.5	>	Skill level is likely sufficient
Active Learning	8.7	12.2	12.2	0	Current skill level may be sufficient
Coordination	9.1	12.2	11.0	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 96

**Focus Occupation: Anesthesiologists (29-1061)**

**Associated Occupation: Registered Nurses (29-1111)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	17.3	21.5	>>	Current ability level is likely more than sufficient
Inductive Reasoning	10.2	15.3	17.9	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	14.0	17.0	>	Current ability level is likely sufficient
Speech Recognition	9.9	13.5	13.2	0	Current ability level may be sufficient
Information Ordering	9.9	12.8	13.0	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.9	12.2	>	Current ability level is likely sufficient
Speed of Closure	5.9	9.5	7.4	<	Some improvement in abilities may be required
Memorization	5.6	8.1	4.5	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

**Focus Occupation: Anesthesiologists (29-1061)**

**Associated Occupation: Registered Nurses (29-1111)**

Work Activities	Exclusivity of Activity
Administer injections	60
Administer medications or treatments	46
Collect clinical data	56
Communicate technical information	4
Conduct patient assessments	69
Follow infectious materials procedures	52
Follow life support procedures	81
Identify body response variations	57
Interpret medical laboratory test results	72

Make presentations on health or medical issues	50
Obtain information from clients, customers, or patients	40
Order medical laboratory tests	76
Prepare patient reports	66
Record medical history or data	68
Take vital signs	56
Understand properties or composition of drugs	64
Understand technical operating, service or repair manuals	6
Use clinical problem solving techniques	69
Use interpersonal communication techniques	10
Use knowledge of investigation techniques	16
Use knowledge of medical terminology	40
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 86

**Focus Occupation: Anesthesiologists (29-1061)**  
**Associated Occupation: Registered Nurses (29-1111)**

Tools and Technologies	Exclusivity
Acute care monitoring units and related products	22
Airway management products	30
Anesthesia apparatus and accessories and supplies	47
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrocardiography EKG units and related products	20
Emergency medical services resuscitation products	15
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Information exchange software	1
Injection and aspiration needles and accessories	25
Intravenous and arterial cannulas and catheters and accessories	29
Intravenous and arterial tubing and administration sets and related products	22
Intravenous infusion pumps and its analyzers and sensors and its accessories	31
Intubation supplies	21
Medical gloves and accessories	19
Medical staff clothing and related articles	17
Medical suction and vacuum products	33
Nasoenteric tubes	43
Network applications software	1

Oxygen therapy delivery systems and devices	13
Pulmonary function testing and treatment products	24
Pulse oximeters	18
Respiratory monitoring products	29
Resuscitation supplies	29
Scopes and specula and accessories for medical exam diagnostic use	23
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Surgical support supplies	33
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.